

### Amendment in the Claims

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1. (Canceled):
  2. (Previously Amended): the protein according to Claim 4, wherein the protein has an apparent molecular weight of about 55 kDa and an isoelectric point of about 5.
  3. (Canceled):
  4. (Previously Amended): A microsporidian polar tube protein comprising the amino acid sequence set forth in SEQ ID No: 1.
  5. (Currently Amended): The protein according to Claim 4, ~~comprising~~ wherein SEQ ID No: 1 consists of the sequence between amino acids 23 and 395 of SEQ ID No: 1.
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/ Claims 6-32 (Canceled)
33. (Previously Amended): A pharmaceutical composition which prevents infections caused by microsporidians of genus *Encephalitozoon* comprising an active protein according to Claim 4 or a fragment thereof and a pharmaceutically acceptable carrier.
  34. (Currently Amended): The ~~pharmaceutical composition~~ of Claim 33, wherein said composition ~~is a vaccine~~ forms antibodies against a polar tube of *E. intestinalis* and/or *E. hellem*.
  35. (New): The composition of Claim 33, wherein said antibodies caused crossed immunological reactions with the polar tube protein of SEQ ID No: 1.
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